

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.





National  
Agricultural  
Library

U.S. Department  
of Agriculture  
Beltsville, MD  
20705

# AGRICULTURAL LIBRARIES INFORMATION NOTES

Volume 13  
Number 9

September 1987

ISSN: 0095-2699

TAKE A VICARIOUS  
CRUISE ON THE  
MISSISSIPPI WITH  
THEODORE ROOSEVELT  
AND GIFFORD PINCHOT  
USING NAL'S NEW  
LASER VIDEODISK!

This picture of  
Theodore Roosevelt  
and Gifford Pinchot  
was taken on the  
trip in October 1907  
of the Inland Water-  
ways Commission down  
the Mississippi,  
made as a means of  
awakening interest  
in the development  
of our inland water-  
ways. No. 523656.



## THE FOREST SERVICE PHOTOGRAPH COLLECTION AND LASER DISK TECHNOLOGY AT NAL

by Alan Fusonie, Historian,  
and Head of Special Collections, NAL

and William Hauser, Visual Information  
Specialist, Special Collections, NAL

### I. The Historic Research Collection.

The Forest Service Photograph Collection, the largest photograph collection on the subject of forestry in the world, is an active part of the Special Collections program at NAL. Although the major emphasis is on forestry, it is a primary resource for the historical development of the United States and many other subjects. It was started in 1898 under the direction of Gifford Pinchot (1865-1946), who was appointed Chief of the Division of Forestry (called later the Bureau of Forestry and, since 1905, the Forest Service) in the U.S. Department of Agriculture. One of the foremost conservationists of his era, Pinchot donated many of his own forestry photos which, combined with the photos inherited from the Bureau of Forestry, provided the foundation upon which the Forest Service photo collection was built. Pinchot saw photography as a valuable tool and pictorial aid to the

understanding and development of the U.S. forest resource. He required his foresters to take useful documentary photographs to accompany oversight reports from the field. It has been said that the use of the camera in the Forest Service became so routine that after a while most forest officers were born with a camera in their hand. By 1920 there were over 159,000 pictures cataloged in the collection; over 400,000 by 1940.

Today this collection contains over a half million images. It provides pictorial documentation of the westward movement in America: the farmers, foresters, miners, cowboys, American Indians, scientists, and others who changed the face of the land. The scientist finds it a unique resource for photos depicting natural resources, botany, geology, forestry, and biology. For the social historian, this collection contains excellent primary source photos; for example, one who is studying the impact of the Civilian Conservation Corps on the Nation's natural resources will find sequences of reforestation work done by the two million men who planted over 2 billion trees in eight years. The collection also contains photographs on fire fighting, trail clearing, bridge building, campgrounds, and public recreation facilities. The artist

or landscape architect who uses this collection will have the rich experience of discovering unpublished early twentieth century scenic photographs of the physical environment and the Nation's interaction with the land. The editors of forest conservation magazines such as *Sierra Club Bulletin*, *Audubon Magazine*, *National Parks* (formerly *National Parks and Conservation Magazine*), and *Living Wilderness* use photographs increasingly as a vital medium to convey their



(Left) CCC boys planting on the slopes of the Coeur d'Alene River, ID, burned by the McPherson fire of 1931. Photo by W. D. Swan, 1934. No. 294467.





Both photos above show the same camera point on Upper Beaver Creek, in the Clearwater National Forest, ID. The cut-over area (top) logged by the Clearwater Timber Co. in 1928 was burned and planted with western white pine by the CCC in 1937. Photo by K. D. Swan in July 1938. No. 365196. The lower photo was taken by Leland Prater, August, 1974. No. 523351. Original prints in NAL's collection for these and most of the photos used in this article are about 7.5 x 9.5 inches and fill the screen when viewed from the laser disk.

(Right) A pioneer in forest research, Raphael Zon originated the plan for Forest Experiment Stations in America's National Forests. Later, in Franklin D. Roosevelt's administration, he proposed and planned the famous shelter belt in the Midwest. No. 27666-C.

message. This collection includes rich diversity and broad scope in such subjects as sod houses and homesteading, forest rangers on horseback, domestic livestock grazing and farming, production of guayule rubber during the 1940's, the conservation movement, development of the lumber industry, forest labor history of immigrants and minorities, the wilderness, wildlife, forest depletion, road building, and handicrafts.

## II. Organization and Services.

The public has access to the Forest Service Photograph Collection primarily thru the National Agricultural Library, and, secondarily, thru the National Archives and Records Administration (NARA), or the Forest Service (FS). The collection is partially available in several media. The most recently developed of these, a laser videodisk, is discussed later in this article. NAL's browsing collection contains over 60,000 captioned black and white prints and 55,000 color slides. NARA holds the negatives for the entire black and white collection. Only NAL





In 1937, illustrator James Montgomery Flagg contributed his now famous poster to the Forest Service's fire prevention campaign. Close examination reveals that Flagg used his own likeness for Uncle Sam. Standing at Flagg's left are Secretary of Agriculture Henry A. Wallace and Associate Chief Earle H. Clapp; seated is President Franklin D. Roosevelt. (Forest History Society Photo). No.356947.

(Below) Judy Bell and Smokey Bear. Taken shortly after Smokey had been rescued from the forest fire. (May 1950). No. 516507.

holds a microfiche edition, known as Fiche File, consisting of positive images of the half million photos on 35mm film in jackets. A computer database provides access to the photographs, whether stored as prints in the NAL browsing collection, as images in the microfiche collection, or as negatives at NARA. The database, which is not online at present, is available at NAL as computer output microfiche (COM) as part of Fiche File, which is stored in an automated fiche retriever for fast access to any desired image. NARA has a copy of the Fiche File images, but only on 35mm roll film; both NARA and the FS headquarters have copies of the COM index. Thus for the user, NAL has the broadest and easiest access to the photos, including when prints are to be ordered from NARA.

In addition, NAL has 16mm roll microfilm of the original record forms filled out for submission of photos to the collection, many originated by the photographers. These include records of photos no longer existing as prints at NAL or negatives at NARA, but which survive as prints in private or Forest Service hands around the country. NAL often receives requests to identify such pictures. Identification is possible because the "orphan" prints each have an image record number in the lower right corner.



Library users may access the collection by searching various data elements in the COM index: subject; names of places, persons, events, etc.; genus and species of plants; photographer's name; State; name of National Forest; and a variety of numbers and codes, including negative number, date photo was taken, date photo was accessioned, land management classification (ownership), forestry resource classification, and special project codes.





A load of cedar posts, Ontonagan Co., MI, 1890. Photo by W. J. Beal. No. 43248.

Visitors may browse through the laser disk or the self-service files at NAL and select images to borrow. NAL provides research assistance to generate bibliographic image lists, photocopies from microfiche, xerox copies from NAL holdings to help identify prints desired from NARA, photo-historical data, and information on ordering copies from NARA.

### III. The Impact of Laser Disk Technology on Photo Image Access.

In the mid-19th century, Oliver Wendell Holmes once described photography as "the mirror with memory." Looking toward the future, he envisioned the creation of large picture file collections stored in an orderly manner in libraries. Over the years, large and small photo collections have become a part of many archival and library holdings at the National, State, and local levels. Today, new technology is making the laser disk a powerful reference tool for improving access to photo collections, and it is revolutionizing the way in which users will approach photo research. Already commercially avail-

able laser disks such as *Bio Science* (6,000 stills), *Exotic Flowers* (2,000 stills), *Life Cycles on Reproductive Biology* (4,000 stills), and *Video Encyclopedia of the 20th Century* (78 hours of film footage--1.4 million still frames) illustrate in part a new direction and transformation in handling of visual information.

Current historical and scientific photo research is changing significantly. Using the laser videodisk in an office, laboratory, or remote experiment station, the scientist, author, editor, publisher, newspaper reporter, television producer, educational media specialist, research team, and many others will have quick and efficient random image access to many photo collections without examining the original collection or individual mounts. By scanning the laser disk the users may review and survey a wide variety of photographs in order to select and order the desired reproductions.

For the individual researchers and photo-holding institutions, the new laser disk

technology has important implications. It will eliminate expensive travel and hotel bills often associated with manual research of photo files. In the future, photo research will be faster, more productive, timely, easy, and less expensive. At the same time, it will complement archival and library preservation efforts through reduced handling of the original files and prints, and it will reduce storage space requirements.

#### IV. The Application of Laser Videodisk Technology at NAL.

The National Agricultural Library's Spe-

cial Collections recently completed a 12-inch optical laser disk containing 34,000 pictures from the Forest Service Photograph Collection. In 1985, the U.S. Forest Service provided a research and development grant to produce the laser disk. NAL signed a cooperative agreement with the University of Maryland Library to perform the work.

Allen C. Rough, Head of Non-Print Media Branch, University of Maryland Library, and William G. Hauser, Visual Information Specialist in Special Collections, NAL, directed the project. Four undergraduate students employed by the University's Hornbake Library (and a few NAL volunteers for several days) filmed the selected images on 35mm motion picture color negative film from mid-July to mid-September 1986. They documented the process in a hand-written log and built a computer database of photo information about each image by subject, location, name of photographer, date photo was taken, accession number, and other important data using the C-Quest Photo Data Base, donated by Image Concepts, Incorporated. Project staff performed a series of processing and quality control steps, a professional studio converted the processed films into video tapes, and the 3M Company produced the master laser disk.

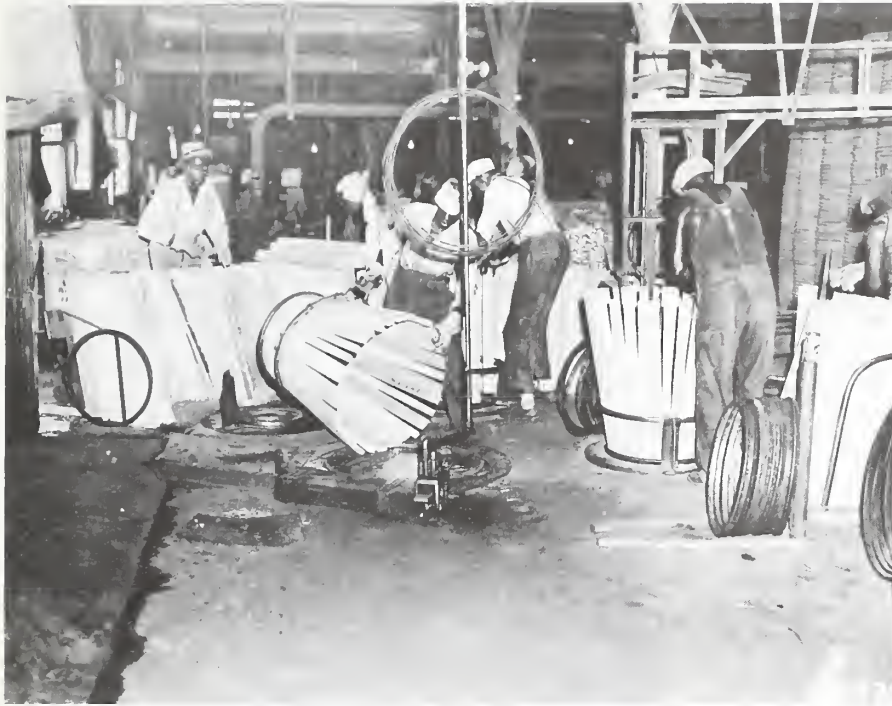
After the final disk was produced, project staff at NAL added the disk location number of each image to its corresponding C-Quest record. The C-Quest software provides word subject searchability and can directly control image access on most laser disk players.

(Above) Hauling logs by traction engine on snow roads. Crow Wing Co., MN, 1905. No. 81323.

Breakfast at the lumber camp, Sedro-Woolley, WA, 1901. Photo by D. R. Kinsey. No. 19016.







(Left) Constructing barrels from white oak staves at the plant of the Chickasaw Products Co., Memphis, TN, Aug. 1943. The stock was cut at the Ozark National Forest, AR. Photo by Clint Davis. No. 426732.

(Below) Skidding logs with a team at Rhodes Timber Sale, Shawnee National Forest, IL. Pay for this is \$2.50 per thousand. Photo by Shaffer, 6/18/41. No. 409828.



#### V. Distribution and Availability of the Disk and Future Projects.

NAL offers a laser disk and the floppy data disks free to Forest Service units and land-grant libraries which either have the necessary equipment and software or plan to acquire them. Only a limited number of copies are available. Comments and suggestions for improvements are welcomed. In addition, institutions which are producing disks of their own, are asked to provide an exchange copy to NAL.

The completed disk includes over 34,000 images in 69 general subject chapters; it also contains 500 color slides, 55 botanical illustrations, 175 maps, an award-winning, 60-second, live-action, fire prevention spot, and an introduction describing the laser disk production process. The latter two items include sound tracks. The C-Quest database for the laser disk is contained on several high-density 5 1/4-inch floppy disks.

Users may view the laser disk in the Special Collections Reading Room at NAL. In

NAL and the USDA Office of Information plan to develop laser disks which will contain USDA historical and current photos. Using the newer digital technology for image capture and storage, NAL anticipates providing more frequent updating and addition of images than are presently possible with analog videodisks.

For more information or a list of possible systems or equipment, contact: Alan Fusonie or William Hauser, Special Collections, 14th Floor, NAL, Beltsville, MD 20705, or call (301) 344-3876.



EQUIPMENT NEEDED FOR USE OF THE NAL  
FOREST SERVICE PHOTOGRAPHS VIDEODISK

A 12-inch optical laser disk player.  
A good quality television monitor.  
A microcomputer: MS-DOS compatible  
with monitor.  
A telecommunications board in the  
computer.  
An RS-232C cable to connect computer  
and player.  
Online storage for 20 megabytes of  
data.  
A user version of the C-Quest System.

NAL will provide a list of equipment  
and approximate prices for several  
alternative systems upon request.

The Forest Service Photographs Videodisk  
will be officially unveiled at an USDA  
ceremony and demonstration for an invited  
audience on Tuesday, October 20, 1987.  
Additional demonstrations will be held on  
the same day at 1:00 and 2:00 p.m. in the  
Williamsburg Room 104A, USDA Admin. Bldg.



(Left) Forest Assistant W. H. B. Kent, at  
Coronado Nat. Forest, AZ, 1905. No. 422214.



(Top) Staminate and ovulate flowers of the  
Carolina Hemlock, *Tsuga caroliniana*, at the  
Agriculture Introduction Gardens, MD. Photo  
by W. D. Brush, 4/20/54. No. 490508.



(Above) Gypsy moth, *Porthetia dispar*; photo  
taken Dec. 1956 in Connecticut. No. 489191.

**CHAPTER INDEX:** Chapter stops have been placed before each of the following segments of the program.

- |  |   |   |
|--|---|---|
| 1 NAL Introduction   | 25 WATER SPORTS, BY STATE                                       | 49 AMPHIBIANS, AQUATIC MAMMALS, REPTILES, INSECTS   |
| 2 PEOPLE WORKING, BY STATE   | 26 WINTER SPORTS, BY STATE                                      | 50 LAND USES, FARMS   |
| 3 GROUPS, BY STATE   | 27 SPECIAL USES AND RECREATIONAL ORGANIZATIONS                  | 51 Commercial Fishing (No title shown)  |
| 4 PORTRAITS, ALPHABETICAL  | 28 LANDSCAPING, SCREENING, INJURED TREES                        | 52 Fur Trapping (No title shown)  |
| 5 PLACES AND THINGS  | 29 VEGETATIVE TYPES AND TERRAIN VIEWS, BY STATE                 | 53 HOMESTEADS   |
| 6 NATIVE AMERICANS, BY STATE   | 30 LOGGING, BY STATE  | 54 Sod Houses (No title shown)  |
| 7 HISTORICAL, BY STATE   | 31 LOGGING OPERATIONS, BY STATE                                 | 55 PUBLIC FACILITIES, TOWNS   |
| 8 INFORMATION AND PUBLIC AFFAIRS WORK, BY STATE                                  | 32 LOGGING TRANSPORTATION, BY STATE                             | 56 MINERALS, MINING, OIL AND GAS  |
| 9 CCC-CIVILIAN CONSERVATION CORPS, JOB CORPS, YOUTH CONSERVATION CORPS, BY STATE | 33 Logging Transportation, Railroads, by State (No title shown) | 57 STATE AND PRIVATE USE FORESTRY, COMMUNITY ASSISTANCE AND TRAINING                            |
| 10 VISITOR INFORMATION SERVICE, BY STATE   | 34 EFFECTS OF LOGGING, BY STATE                                 | 58 TREE IDENTIFICATION  |
| 11 RANGE AND OTHER PLANTS (Cacti)  | 35 LOGGED AREAS, BY STATE                                       | 59 Natural Phenomena (No title shown)   |
| 12 RANGE TYPES, INVENTORY, MANAGEMENT, GRAZING ANIMALS                           | 36 REVEGETATION, REFORESTATION, TREE NURSERIES, BY STATE        | 60 Glaciers (No title shown)  |
| 13 RANGELAND MANAGEMENT, BY STATE  | 37 Planting (No title shown)                                    | 61 Mount St. Helens File (No title shown)   |
| 14 RECREATION, GENERAL   | 38 Windbreaks, Shelterbelts (No title shown)                    | 62 FOREST FIRE RESEARCH, BY STATE   |
| 15 SCENERY, GEOLOGICAL FORMATIONS  | 39 Nurseries (No title shown)                                   | 63 Fire Lookouts (No title shown)   |
| 16 SCENERY, LANDSCAPES, BY STATE   | 40 TIMBER STAND IMPROVEMENT                                     | 64 1987 Year of Flowers Illustrations (No title shown)  |
| 17 SNOWSCENES AND OCEANSCENES, BY STATE  | 41 WATERSHED MANAGEMENT   | 65 Fire Prevention, Live-Action Spot (No title shown)   |
| 18 LAKE SCENES, BY STATE   | 42 EROSION CONTROL  | 66 Seed Trade Catalog Covers and Illustrations (No title shown)                                 |
| 19 RIVER SCENES AND WATERFALLS, BY STATE   | 43 FLOODS, CONTROL, RESERVOIRS                                  | 67 Slides from the Forest Service Slide Collection (No title shown)                             |
| 20 RECREATION SITE IMPROVEMENTS, BY STATE  | 44 Reservoirs (No title shown)                                  | 68 Slides of Fires Prevention Posters from the Forest Service Slide Collection (No title shown) |
| 21 CAMPING AND PICNICKING, BY STATE  | 45 WATER USES   | 69 Panorama from NAL and Project Credits (No title shown)                                       |
| 22 FISHING, BY STATE   | 46 WILDLIFE   |   |
| 23 HIKING AND RIDING, BY STATE   | 47 ANIMALS  |   |
| 24 HUNTING, BY STATE   | 48 FISH   |   |

(Above) Chapter Index of NAL's Forest Service Photographs laser videodisk.



**ALAN FUSONIE**

Alan Fusonie, Historian and Head of Special Collections, is a graduate of Lenoir Rhyne College, NC, in Economics; he earned his MA in American History from Xavier University, OH, and his Ph.D. in Modern European History from Catholic University.

In his 18 years at NAL, Fusonie has authored numerous bibliographies and articles and co-authored the book, *The Japanese Flowering Cherry Trees of Washington, D.C.: A Living Symbol of Friendship*. For over ten years, he was an editor of the *Journal of NAL Associates*, and of Associates symposia proceedings.

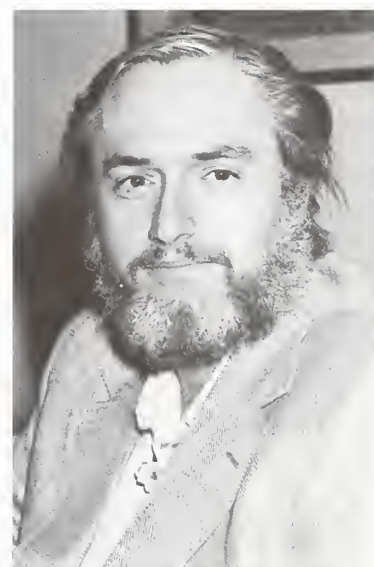
Dr. Fusonie is active in professional societies in the areas of history and librarianship and in community programs, and has been a part-time Professor of American History at Prince George's Community College and the University of Maryland. He has been the recipient of numerous professional and community awards.

**WILLIAM HAUSER**

Bill Hauser was born in Bell, California. A graduate of Pasadena City College in the fields of art and history, he also studied at UCLA and California State. He served as Graphics Designer for the Forest Service at the Inyo National Forest from 1967-1975.

There he developed and produced exhibits, brochures, photography and video programs. He became curator of the Forest Service Photo File in the Office of the Chief of the Forest Service, in Washington, D.C. in 1975, and served in that capacity until 1985. When the Forest Service Photographs Collection came to NAL in 1985, Bill transferred to NAL as curator.

Bill Hauser put together his first slide program in the 6th grade and has been involved in audiovisuals ever since that time. He was instrumental in developing and producing the Forest Service laser videodisk and its database for NAL.







Bald Eagle (*Haliaeetus leucocephalus*) AOU # 352, Gila National Forest (N.F.), NM, Sept. 1931. Photo by Lee Kirby. No. 258828.



Diablo Dam on the upper Skagit River, Mt. Baker N. F., WA. Photo by W. N. Parker, Sept. 1949. No. 464300.



(Left) Scaling hickory bolts from the Hoosier N. F. at the Paoli Handle Factory, Paoli, IN, June 1940. Photo by Leland J. Prater. No. 398610.

## LASER PHOTO DISK CAN AID FARMERS

by Mikkell Pates, Staff Writer

*The Forum*, Fargo, ND

Imagine storing 54,000 photographs on a computer disk that looks like a metal phonograph record. The images can be randomly searched within seconds and displayed on a television screen.

In the form of 8-by-10-inch black-and-white prints, such a collection would weigh about 37 tons. A similar number of color slides would take up storage space roughly the size of a college classroom.

William Hauser, a visual information specialist with the National Agricultural Library in Beltsville, Md., demonstrated a laser photo disk at North Dakota State University this week. [June 1987]

So far, Hauser said, the national library has transferred, 35,000 images from a U.S. Forest Service collection on a disk, and intends to expand the use of the disk to other collections.

"We can use this laser disk for the finding aid of the collection," Hauser said. "If we tried to use the original mounts for another 10 years, the pictures would be destroyed."

Hauser was able to gain random access to photos originating in North Dakota and other states. Each image is keyed by its date, subject and location.

One of the images on the disk, for example, was a colorful cover of a 1909 seed catalogue from Northern Seed Co. of Valley City, N.D. Hauser also could call up pictures of Theodore Roosevelt, or any other public figure in the collection.

Hauser described the disk as a great research tool that will help scientists from all over the world and save wear and tear on archives. Once they find a photo they want, they check it out or order copies from the library.

One big advantage is speed. If you're looking at photo No. 1 and you want to see No. 54,000, just type it on the computer keyboard. It takes less than 2 seconds to find it.



And don't worry about the colors fading, Hauser said. They're digitized and should last forever.

Alan Fusonie, head of special collections for the library, said the facility is the largest of its type in the world.

The library, located 15 miles northeast of Washington, D. C. near USDA research facilities in Beltsville, contains 1.9 million volumes and employs 230 people. Besides its photo laser disk project, Fusonie says the library is working with other new information tools.

One, a digitizing text machine, will mechanically "read" written text. Fusonie said a researcher could scan USDA books and reports to find references to a specific term or combination of terms.

Another tool, artificial intelligence, will allow the library to amass all of its available information on certain popular topics, such as biotechnology or aquaculture, he said. Researchers using a computer, can ask questions and dig as deeply into a topic as they wish.

Fusonie said the library staff is attempting to get out into the nation and raise its profile with potential users.

This is especially appropriate, he said, because 1987 marks the 125th anniversary of U.S. Department of Agriculture, which was signed into law by President Abraham Lincoln in 1862. Some library materials date to the 1500s and include notes from such famous agriculturalists as George Washington.

Authorized by the 1862 legislation, but designated as a separate entity in 1962, the library is an international exchange point for books, journals and reports, and also includes maps, microfilm, manuscripts and newspapers.

Much of it is technical information, but other topics include sociology, economics and agricultural laws, energy, natural resources, genetics, meteorology and fisheries.

Researchers at NDSU and elsewhere routinely tap into the library primarily through the AGRICOLA (AGRICultural ONLine Access) data base.

(Reprinted from *The Forum*, Fargo, North Dakota, Thursday, June 4, 1987.)



(Above) Sheep grazing in Stanley Basin with the Sawtooth Range in the background about 7 miles NW of Stanley, ID, Challis N. F. Photo by Bluford W. Muir, Aug. 1955. No. 480175. Plenty of rough country for pack trips (right), Coronado N. F., AZ. Photo by Ray Manley. No. 492883.







(Top) Gold mining operations of U.S. Smelting, Refining, & Mining Co. along the Steese Highway north of Fairbanks, AK. The dredging ends up with the top soil buried beneath the gravel which was originally below the top soil. Photo by Leland J. Prater, 8/13/58. No. 486914. Canoeing at the Daniel Boone Boy Scout Camp (above) on the Little East Fork of the Pigeon River, NC. The camp is on private land, but the boys use the Pisgah N. F. under special use. Photo by Leland J. Prater, Aug. 1959. No. 492540.



## AGRICULTURE DATEBOOK

October 20-22: NEW DIRECTIONS FOR RURAL COMMUNITIES. Bozeman, MT, Montana State University. Contact: NCAT, 815 15th St., N.W., Suite 938, Washington, DC 20005. Tel.: (202) 347-9193.

November 2: AMERICAN CEREAL CHEMISTS ASSOCIATION MEETING. Knoxville, TN. USDA Speaker: Asst. Secretary Kenneth A. Gilles. Contact: (202) 447-4256.

November 2-4: COMPUTER WORKSHOP & TRADESHOW. Kansas City, MO, Hilton Plaza. Contact: American Feed Industry Assn., 1701 N. Ft. Myer Dr., Suite 1200, Arlington, VA 22209.

November 2-4: AGRICULTURAL BIOETHICS SYMPOSIUM. Ames, IA, Iowa State Univ. Contact: Michael Warren, Technology and Social Change Program, 318 Curtiss Hall, Iowa State Univ., Ames, IA 50011.

November 2-6: FOURTH INTERNATIONAL CONFERENCE ON ARTIFICIAL HABITATS FOR FISHERIES. Miami, FL. Contact: Dr. W. Seaman, Conf. Chairman, Bldg. 803, Univ. of Florida, Gainesville, FL 32611.

November 4-5: SECOND NATIONAL SYMPOSIUM ON THE SOFT-SHELLED BLUE CRAB FISHERY. Gloucester Point, VA, Virginia Institute of Marine Science. Contact: Michael Oesterling on (804) 642-7165.

November 6-14: AMERICAN SOCIETY OF HORTICULTURAL SCIENCE. Kissimmee, FL, Hyatt Orlando. Contact: ASHS, 701 North Saint Asaph St., Alexandria, VA 22314. (703) 836-4606.

November 9-11: AMERICAN SOCIETY OF FARM MANAGERS AND RURAL APPRAISERS ANNUAL MEETING. San Antonio, TX,



Marriott Hotel. Contact: (303) 758-3513.

November 8-12: NATIONAL ASSOCIATION OF EXTENSION 4-H AGENTS ANNUAL MEETING. San Diego, CA. Contact: (316) 275-9164.

November 9-12: AMERICAN ASSOCIATION OF LAB ANIMAL SCIENCE. Denver, CO. Contact: Donald W. Keene, 70 Timber Creek Drive, Suite #5, Cordova, TN 38018. Tel.: (901) 754-8620.

November 9-12: NATIONAL ASSOCIATION OF STATE UNIVERSITIES AND LAND-GRANT COLLEGES MEETING. Washington, DC. USDA Speaker: Asst. Secretary Orville G. Bentley. Contact: NASULGC, (202) 293-7120.

November 12-14: NATIONAL FUTURE FARMERS OF AMERICA ANNUAL CONFERENCE. Kansas City, MO. Contact: FFA, Alexandria, VA, (703) 360-3600.

November 13: U.S./EUROPEAN COMMUNITY CONFERENCE ON AGRICULTURE. Williamsburg, VA. USDA Speaker: Secretary of Agriculture Richard E. Lyng. Contact: (202) 447-4623.

November 15-18: ENVIRONMETRICS '87. Washington, DC. Contact: American Statistical Association, 806 15th St., N.W., Suite 640, Washington, DC 20005. Tel.: (202) 393-3253.

November 18-20: NATIONAL ASSOCIATION OF GOVERNMENT COMMUNICATORS (NAGC) ANNUAL CONFERENCE. Arlington, VA, Rosslyn Westpark Hotel. Contact: NAGC, 80 South Early St., Alexandria, VA 22304. Tel.: (703) 823-4821.

November 19-21: NEW DIRECTIONS FOR RURAL COMMUNITIES. Memphis, TN, Agricenter International. Contact: NCAT, 815 15th St., N.W., Suite 938, Washington, DC 20005.

November 20-28: AGROTEC '87. Peru. Contact: Feria Internacional Del Pacifico, Apartado (P.O.B.), 4900 Lima 100 - Peru.

November 29-December 4: ENTOMOLOGICAL SOCIETY OF AMERICA. Boston, MA, Sheraton Hotel. Contact: ESA, 4603 Calvert Rd., College Park, MD 20740. Tel.: (301) 864-1334.

November 29-December 4: AMERICAN SOCIETY OF AGRONOMY-CROP SCIENCE SOCIETY OF AMERICA-SOIL SCIENCE SOCIETY OF AMERICA ANNUAL MEETINGS. Atlanta, GA. Contact: Rodney A. Briggs, 677 South Segoe Rd., Madison, WI 53711. Tel.: (608) 273-1212.

December 1-3: OUTLOOK '88 ANNUAL CONFERENCE. Washington, DC, U.S. Department of Agriculture. USDA Speaker: Deputy Asst. Secretary Ewen M. Wilson. Contact: Raymond Bridge, Director, (202) 447-5447.

December 4-6: NATIONAL VOCATIONAL AGRICULTURAL TEACHERS ASSOCIATION, INC. MEETING. Las Vegas, NV. Contact: (703) 780-1862.

December 6-9: NATIONAL YOUNG FARMER EDUCATIONAL ASSOCIATION ANNUAL MEETING. Peoria, IL. Contact: (618) 283-4475.

December 6-10: NATIONAL 4-H COUNCIL ANNUAL MEETING. Chicago, IL. Contact: (301) 961-2800. 

**NAL ANNOUNCES AGRICOLA AND CRIS DATABASE WORKSHOPS FOR FALL 1987 THROUGH SEPTEMBER 1988**

NAL will conduct five 3-day basic AGRICOLA Workshops, November 16-18, 1987; January 11-13; March 14-16; May 16-18; and September 26-28, 1988. NAL offers a 1-day CRIS database workshop on the day following the above workshops: November 19, 1987; January 14, March 17, May 19, and September 29, 1988. In addition to these basic workshops, NAL offers four 1-day Advanced AGRICOLA Workshops, December 14, 1987, February 17, April 18, and June 27, 1988.

To receive a brochure containing a registration form and a description of these workshops, fees, possible housing and other related information, contact: AGRICOLA/CRIS Training, Special Services Branch, Room 111, National Agricultural Library Beltsville, MD 20705. Or call: (301) 344-1214.



## INFORMATION CENTERS...

### ...WHAT'S NEW

#### BOOK REVIEW

*Melting Pot: An Annotated Bibliography and Guide to Food and Nutrition Information for Ethnic Groups in America.* By Jacqueline M. Newman. New York: Garland Publishing, Inc., 1986. [\$25.00]

Reviewed by Holly Berry Irving, Nutritionist, Food and Nutrition Information Center, NAL.

Ethnic foods are an increasingly important part of the U.S. diet. Whatever their individual backgrounds may be, Americans are including foods from a variety of cultures in their daily menus. As ethnic populations grow in America, so will the variety of foreign foods and dishes available in restaurants and supermarkets. Along with the foods themselves, each culture group has strong traditions, behaviors, and culinary styles that shape its diet. Dr. Newman's bibliography is a guide to the intricacies of eating habits in other cultures.

Dr. Newman, a Professor of Home Economics, Queens College, City University of New York, has divided this bibliography into 10 chapters dealing with the foods of ethnic groups: Black, Hispanic, Chinese, Japanese, Indian, and other Asian, Middle Eastern and Mediterranean Americans. Within these broader groups she details the foods and nutrition of nationality or language groups. She has organized the chapters into a brief introduction followed by a section of professional bibliographical references from scientific, medical and nutritional journals, reports, and books. She also includes in each chapter a "Resources for Recipes" section consisting mainly of references to cookbooks.

In the introductions to the dietary characteristics of the ethnic groups, Dr.


Newman is careful to avoid stereotypes and to recognize intercultural diversity. As she states in her preface, the *melting pot* "is the removal of barriers of misunderstanding, a means of appreciation and communication."

The annotations to the professional references provide sociological, medical, historical, and nutritional data. They cover nutritional diseases and cures, food composition and nutrient studies, culinary appeal, food preferences and other cultural studies, and educational materials.

The recipe resource section focuses on both general cookbooks for each nationality or group and specialized books for types of ingredients, spices, cooking methods, menus, or food preferences. The annotations are descriptive of the contents, including notation of special features such as lists, tables, glossaries, background, customs, special occasions, illustrations, etc.

The final chapter is an impressive list of references to food composition tables. The annotations indicate the subject categories and data divisions relating to nutritive values in the tables.

This volume is an excellent resource for health care professionals, home economists, social scientists, researchers and others seeking to understand the cultural differences in food and nutrition among ethnic groups in the U.S.

While Dr. Newman refers to her book as just "an hors d'oeuvre in the repast of understanding," it is a tasty and filling morsel indeed. 

#### AGRICOLearn UNVEILING SCHEDULED

The National Agricultural Library will unveil its new interactive videodisk training program, AGRICOLearn, at a presentation and demonstration for an invited audience on Thursday, October 15, 1987, from 1:30 to 4:00 p.m. at NAL.



## STAFF UPDATE

### BENNETT BECOMES NAL BUDGET OFFICER




On July 6, Paul K. Bennett joined the NAL staff as Budget Officer working with Thomas D. Neis, Executive Officer. Mr. Bennett has had a career of progressively more responsible financial or administrative positions in USDA, beginning in 1960, after a year's study at Catherman's Business College in

Cumberland, MD. He has worked primarily in the Agricultural Research Service (ARS) and the Food Safety and Inspection Service (FSIS) and their predecessor agencies in a variety of locations in the D.C. area, California and North Carolina. He has moved between these agencies several times, holding positions such as administrative assistant, and administrative officer, budget analyst, financial manager and supervisory budget analyst.

He came to NAL from ARS where he was a supervisory budget analyst since 1979. This is his first library position, and although the work is not very different from what he had been doing, he finds it "challenging, and the new type of operations and mission very interesting." He expects to contribute to the financial programs of NAL as well as to enhance its budgetary operations.

Mr. Bennett is also an amateur artist, primarily painting in oils, and is studying at the Redding Academy of Fine Arts in Columbia, MD. In addition, he is an

avid bowler, competing with three teams in Columbia. Last season his "Wednesday" team, the King Pins, took first place in its league and in the State Men's Team Handicap Tournament. He is President of the Newtowners' "Friday" League, and is a team captain in his "Monday" League.


Mr. Bennett met his wife, Mary Lou, when they were both budget analysts in ARS. Mrs. Bennett is now a program analyst with the Science Program, FSIS. They have two sons, the elder of whom is married and has a year-old daughter. 

### HOLLY BERRY IRVING

"After getting my undergraduate degree as a pre-med major, I decided that I did not want to be a physician. My first job in Washington (my hometown) happened to be in the Accounting Office of WTOP Radio. From



there I worked as an Operations Engineer at WTOP, WRC, and WKYS Radio stations. I discovered that I wanted to continue in the health care field and started a graduate degree in nutrition. I started working at FNIC as a part-time graduate assistant in 1984 and continued when a full-time position opened up. I am employed at FNIC under a Cooperative Agreement between NAL and the University of Maryland, Department of Food, Nutrition and Institution Administration."

Ms. Irving earned her M.S. in Community Nutrition at the University of Maryland, 1986, and her B.A. in Biological Sciences at the University of Chicago, 1977. She is a Registered Dietitian, and is an FCC 1st Class Radio Engineer. Ms. Irving contributed the "Book Review" on page 14 of this issue. 



## CHAPMAN HEADS LENDING SEARCH UNIT




Susan Chapman has joined the NAL staff to provide leadership and management as head of the Search Unit in the Lending Branch. This key unit in the NAL document delivery service provides call numbers for requests received without them, other bibliographic data for those which cannot

be processed as received, and loan and purchase data for items not owned by NAL.

Ms. Chapman comes to NAL with a variety of experience in both technical and public services. She has worked with several library contractors, most recently with Aspen Corporation which employed her as head of technical services and supervisor of cataloging at the Library of the Department of Housing and Urban Development. She has had responsibility for document delivery and database development with several health information clearing houses, and has worked at the National Aeronautics and Space Administration (NASA) in the D.C. area. Her husband is an astronomer, presently employed at NASA headquarters in D.C.

Ms. Chapman's first library position was at the Harvard College Observatory. While there she earned her MLS at Simmons College. As an undergraduate at Colby College, Maine, she majored in history. She also studied political science in France for a year at the University of Paris on a Fulbright scholarship. On return from her studies and travels in Europe, she taught in Junior High School.


The Chapmans live in Columbia, MD. They have a daughter who recently graduated from college and a son who is a college student. 

## KNOPFLE INTERNS IN MAP-CATALOGING

Danny E. Knopfle is a graduate student in the Department of Geography at the University of North Dakota; he worked at NAL as an intern in the Technical Services Division (TSD) from May through August. In addition to helping Sarah Thomas, Chief, TSD, on special projects, he assisted with reorganization of NAL's map collection and the cataloging of about 2,000 recently acquired maps and 500 remote sensing materials, including some collections.



He also used NAL's unique collections as source material for M.A. and Ph.D. research in Soviet Agriculture. As another aspect of that research, he has visited the Soviet Union twice: in May 1985, and May-June 1986. There he visited agricultural institutions, exhibits, and farms in seven of the 15 Soviet Republics: Estonia, Russia, Ukraine, Georgia, Uzbekistan, Tadzhikistan, and Azerbaijan. On August 13, he gave a slide-lecture to NAL staff and others concerning those travels with emphasis on agricultural machinery.

On the day of this interview, Mr. Knopfle learned that he has been selected for a position with Pacific Architects and Engineers for the support staff at the U.S. Embassy in Moscow. He has since resigned his position at NAL to begin language studies at the State Department. 

Sarah Thomas has indicated that NAL would consider offering the same internship opportunity to other geography students. Interested candidates, should contact Dr. Thomas, Room 100, National Agricultural Library, Beltsville, MD 20705. (301) 344-3834.



## SERIAL GAPS

The National Agricultural Library identifies gaps in the national collection through collection maintenance activities and patron requests. We appreciate your donation of the following publications needed to complete collections. If you have questions, call Ruth Finnblade, Gift and Exchange Program, (301) 344-3866.

Send items to: National Agricultural Library, Gift and Exchange Program, Room 002G, Beltsville, MD 20705.

*American Printer*. 1985, No. 9.

*The Avant Gardener*. Vol. 19, Nos. 5-6, 1984/85.

*Biochemical and Biophysical Research Communications*. Vol. 108 (1); 115 (1); 125 (1); 127 (2-3); 128-133 (all); 137 (1), (years unknown).

*Biochemical Medicine*. Vol. 33 (2-3), 1984.

*Boden, Pflanze, Tier*. Vol. 22, 1985 to date.

*California and Western States Grape Grower*. Vol. 10 (7); 11 (4 & 9); 13 (3 & 6); 14 (3 & 11); 15 (12), (years unknown).

*Cancer Research; the Official Organ of the American Association for Cancer Research, Inc.* Vol. 44, 1984.

*Communications in Soil Science and Plant Analysis*. Vol. 11 (1-2), 1980; 12 (1-2), 1981; 14 (12), 1983; 15 (5 & 12), 1984.

*Cytometry*. Vol. 3 (Pt. 3), 1982/83; 4 (1-6), 1983/84; 5 (1), 1984/85; 6 (1-2), 1985/86.

*Developments in Food Proteins*. 1984, No. 5 to date.

*Dietetic Currents*. Vol. 7 (6), 1980; 11 (6), 1984.

*Dog World; the Complete All-Breed Magazine*. Vol. 68 (1-2), 1984.

*Economic Bulletin for Europe*. Vols. 32-34, 1983-1985.

*Electrical World*. Vol. 181 (9-10), 1974; 195 (8 & 10), 1981.

*Elite Register and Certificate of Merit for Milk and Butter Fat Production*. 1974 to date.

*Environmental Action*. Vol. 6 (2-16), 1974; 10 (20-24), 1978; 11 (1-7), 1979; 13 (11-12), 1981; 14 (10-12), 1982. 15 (10-12), 1983.

*Environmental Geology and Water Sciences*. Vol. 6 (1 & 4), 1984.

*Farm Finance Review*. 1980, No. 12; 1981, 12; 1982, 3, 5, 7 & 9; 1983, 9, 11-12; 1985, 1, 11-12.

*Food Industries of South Africa for the Manufacturer, Exporter, Wholesaler, and Retailer*. Vol. 33 (5-12), 1980; 34 (1-12), 1981; 35 (1-2), 1982; 36 (5-12), 1983; 37 (1), 1984.

*Food Management*. Vol. 14 (1-9), 1979; 15 (5), 1980; 17, (9), 1982; 19 (9), 1984.

*Frozen Food Age*. Vol. 31 (4), 1982/83.

*Gamete Research*. Vol. 8 (1), 1979.

*Gartenbauliche Versuchshberichte*. 1983 to date.

*Gemuese*. Vol. 15 (9), 1979.

*General and Comparative Endocrinology*. Vol. 49 (2), (year unknown).

*Geochimica et Cosmochimica Acta*. Vol. 48 (12), 1984.

*Goue Vag*. Vol. 3 (8), 1973/74.  
(See SERIAL GAPS, p. 18)

## SERIAL GAPS (from p. 17)

*The Grange News: Voice of Washington Agriculture.* Vol. 70 (10), 1981.

*The Green Scene.* Vol. 1 (6), 1972/73; 2 (1), 1973/74; 3 (4), 1974/75; Vol. 6 (3), 1977/78; 14 (3), 1985/86.

*Harness Horse.* Vol. 48 (39-45, 52), 1982/83; 49 (1), 1983/84.

*Health Foods Business.* Vol. 28 (9 & 11), 1982.

*Heredity; and International Journal of Genetics.* Vol. 44 (1), 1980.

*High Technology.* Vol. 4 (1, 3-12), 1984.

*Holz- und Kunststoffverarbeitung.* Vol. 8 (4-5), 1973; 15 (10), 1980.

*Hopfen-Rundschau.* Vol. 31 (20), 1980.

*L'Horticulture Francaise.* 1980, No. 121.

*Hydrolysis and Wood Chemistry USSR.* 1981, Nos. 3-4; 1983, 7-8; 1984, 1-2, 9.

*Industrial Relations.* Vol. 20 (2), 1981.

*L'Industrie Textile.* 1978, No. 1078; 1979, No. 1087; 1980, No. 1104.

*International Dyer, Textile Printer, Bleacher and Finisher.* Vol. 159 (10-11), 1978; 161 (9), 1979.

*The International Journal of Eating Disorders.* Vol. 2 (2), 1982/83.

*The International Journal of Environmental Studies.* Vol. 20 (1), (year unknown).

*International Journal of Obesity.* Vol. 5 (5), 1981; 6 (5), 1982; 7 (6), 1983.

*International Journal for Parasitology.* Vol. 11 (5), 1981; 15 (2), 1985.

*International Journal of Peptide and Protein Research.* Vol. 25 (3-4), 1983.

*International Pest Control.* Vol. 15, (2-4, 6), 1973; 16 (2), 1974.

*International Library Review.* Vol. 5, (3), 1973; 6 (1), 1974; 10 (3), 1978.

*Issues & Studies.* Vol. 14 (3-12), 1978; 15-18 (all), 1979-1982.

*Italia Vinicola ed Agraria.* Vol. 65, (9 & 11), 1975; 69 (4), 1979; 71 (11-12), 1981.

*Journal de Chimie Physico-Chimie Biologique.* Vol. 75 (9), 1978.

*Journal of the Acoustical Society of America.* Vol. 79 (1-2, 4-5), 1982; 81 (3), 1984.

*Journal of Cellular Biochemistry.* Vol. 27 (3), 1985; 28 (4), 1985; 29 (4), 1985.

*Journal of Comparative Neurology (Philadelphia, PA: 1911).* Vol. 222 (4); 239 (3), (years unknown).

*Journal of Consumer Studies and Home Economics.* Vol. 6 (2), 1982; 8 (1), 1984.

*Journal of Econometrics.* Vol. 24 (4-6), 1980; 25 (4-6), 1981; 26 (1-6), 1981.

*Journal of Electron Spectroscopy and Related Phenomena.* Vol. 2 (6), 1972/73; 4 (4-6), 1973/74; 15 (all), 1976/77; 34 (4), 1983/84; 38 (all), 1984/85; 41 (1), 1985/86.


*Journal of Electron Microscopy Technique.* Vol. 1 (3), 1984.

*Journal of Environmental Management.* Vol. 6 (4), 1978; 7 (4), 1979; 9 (4), 1981.

*Journal of Experimental Marine Biology and Ecology.* Vol. 81 (2-3), 1985; 83 (1), 1985.

*Journal of Experimental Zoology.* Vol. 222 (2-3); 228 (1-2); 229 (1-2), (years unknown).

*Journal of Fish Biology.* Vol. 22 (3), 1983.

*Journal of Fish Diseases.* Vol. 7 (6), 1984. 



## SURPLUS PUBLICATIONS

The National Agricultural Library will make available the following surplus publications to any interested organization that regularly sends free publications to NAL, including most Federal, land-grant, and agricultural research institutions as well as many others. Foreign institutions will need to provide a U.S. mailing address or make other special arrangements with U.S. sources for shipment of material. Listed titles may be requested up to six months following announcement. If interested, please write to:

National Agricultural Library, USDA,  
Attn: Gift and Exchange, Room 002,  
Beltsville, MD 20705 (enclose an  
addressed label); or call Ruth Finnblade,  
(301) 344-3866.

*Advances in Genetics*. Vol. 1-13, 1947-1965.

*American Journal of Botany*. Vol. 1-29, 1914-42.

*The American Naturalist*. Vol. 116-119, 1980-82.

*Annals of Botany*. Vol. 45-50, 1931-36.

*Bulletin de la Societe Chimique de France*. Serie 4. Vol. 44-52, 1928-32;  
Serie 5. 1-5, 1934-38.

"How Fresh Peaches Are Marketed." *Marketing Bulletin*, USDA Agriculture Marketing Service. No. 64, 1987.

*Plant Physiology*. Vol. 1-12, 1926-37.

*Remote Sensing of Environment*. Vol. 11-12, 1981-82.

## SURPLUS PUBLICATIONS IN RUSSIAN

*Agronomy*. Moskva, 1963.

*Ameliorative Work During the Winter Time*. Moskva, 1974.

*The Communist Party in the Struggle for Furthering the Development of Agriculture*. 1946-58. Moskva, 1974.

*Crop Production; Cereal and Technical Plants*. Vol. 38 (1-12), 1986.

*Decisions of the Party and the Government in Relation to Agriculture (1965-1971)*. Moskva, 1971.

*Economic Effectiveness of Grape Production*. Moskva, 1973.

*Economy of Peat Bedding*. Tallinn, 1960.

*Effective Forms of Management in Agricultural Construction*. Moskva, 1974.

*Harmful Rodents and Their Control*. Leningrad, 1968.

*Heat Injuries of Wheat Under Conditions of Sufficient Moisture*. Novosibirsk, 1977.

*Increasing the Fertility of Peat Soils*. Leningrad, 1981.

*Machine Processing of Economic Information in Agriculture*. Moskva, 1977.

*Milk, Dairy Products and Canned Milk Products*. Moskva, 1965.

*New Silage Plants for Western Siberia*. Novosibirsk, 1976.

*Piroplasma*. Leningrad, 1981.

*The Production and Social Infrastructure of a Contemporary Village*. Kishinev, 1981.

*The Production of Vegetables*. Moskva, 1973.

*Snow and Its Effects on Orchards*. Leningrad, 1978.

*Selection of Cows for Their Fertility*. Leningrad, 1979.

*State Farms of the U.S.S.R.* Moskva, 1976.

*Technological Progress and Labor Productivity in Agriculture*. Moskva, 1968.

*The Use of Computers in Agriculture*. Moskva, 1973.





1023084409

BULK RATE

POSTAGE &amp; FEES PAID

USDA

PERMIT NO. G95

United States Department of Agriculture  
National Agricultural Library  
ALIN Editor, Room 203  
Beltsville, Maryland 20705

OFFICIAL BUSINESS

Penalty for Private Use, \$300

AGRICULTURAL LIBRARIES  
INFORMATION NOTES  
ISSN 0095-2699

nal26 12026/20705ACQSA 1 0001  
ADALIA ACOSTA  
NATIONAL AGRICULTURAL LIBRARY  
ROOM 110 TSD  
BELTSVILLE MD 20705

If you wish to be removed from the mailing list for this publication check here ☐ and return this page to the above address. If change is required, enter on address label and return.



AGRICULTURAL LIBRARIES  
INFORMATION NOTES (ISSN  
0095-2699) provides a channel  
of communication to technical  
information specialists, li-  
brarians, extension workers,  
researchers, and scientists  
on agricultural information  
activities. Joseph N. Swab,  
Editor; Marilyn M. Jacobs,  
Assistant Editor; Dan Starr,  
Photographer. L(301)  
344-3937.]

Cover of the jacket for the  
Forest Service Photographs  
Laser Videodisk issued by the  
National Agricultural Library,  
Special Collections. The  
photograph shows railroad en-  
thusiasts crossing a timber  
trestle on the Verona, South  
Park & Sunset Steam Railroad  
(locomotive #105), OR. Photo  
by Gene Ahrens. No. 800026.